

### ABSTRACT OF THE DISCLOSURE

A method of manufacturing a tyre for a vehicle wheel includes making at least one carcass ply by deposition of elongated sections circumferentially distributed on a toroidal support and applying annular reinforcing structures to a region close to inner-circumferential edges of the at least one carcass ply. Each of the elongated sections extends in a U-shaped configuration around a cross-sectional outline of the toroidal support to define two side portions and one crown portion. The side portions are mutually spaced apart in an axial direction of the toroidal support. The crown portion extends at a radially-outer position between the side portions. Each elongated section is laid down substantially in a plane parallelly offset relative to a meridian plane of the toroidal support.

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